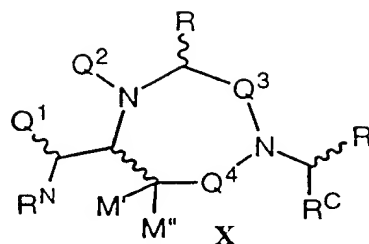
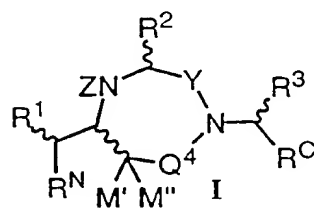


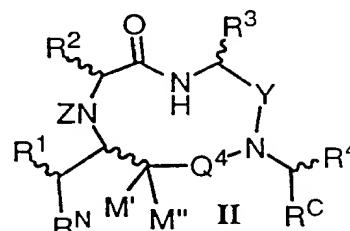
1/2



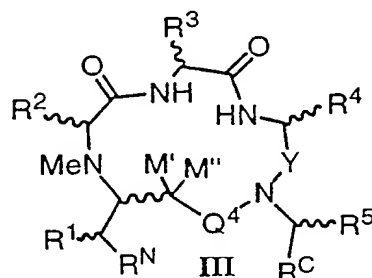
	Q ⁴	Y
(i)	-CH(M)-	C(O)
(ii)	-C(O)-	CH ₂
(iii)	-CH(Q ⁵)CH ₂ -	C(O)
(iv)	-CH(Q ⁵)C(O)-	CH ₂



	Q ⁴	Y
I(i)	CH(M)	C(O)
I(ii)	C(O)	CH ₂

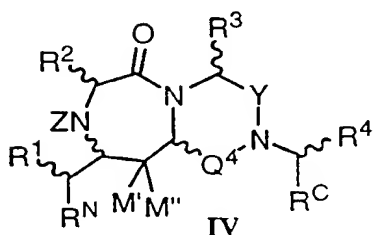


	Q ⁴	Y
II(i)	CH(M)	C(O)
II(ii)	C(O)	CH ₂
II(iii)	CH(M)CH ₂	C(O)
II(iv)	CH(M)C(O)	CH ₂

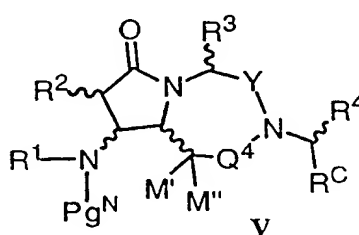


	Q ⁴	Y
III(i)	CH(M)	C(O)
III(ii)	C(O)	CH ₂
III(iii)	CH(M)CH ₂	C(O)
III(iv)	CH(M)C(O)	CH ₂

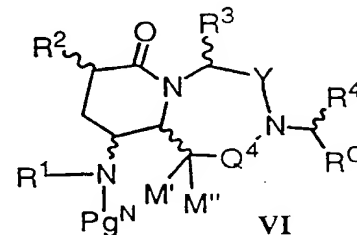
Figure 1. General structure of the mimetic systems and preferred cyclic turn and loop mimetic systems. Refer to the main text for a full description of the Q, R, Pg, Z and M groups.



	Q ⁴	Y
IV(i)	CH ₂	C(O)
IV(ii)	C(O)	CH ₂



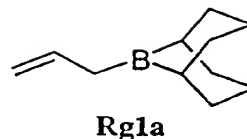
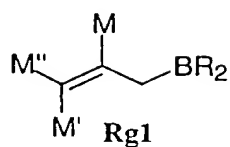
	Q ⁴	Y
V(i)	CH(M)	C(O)
V(ii)	C(O)	CH ₂



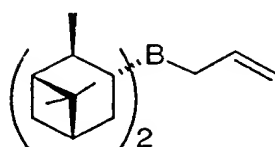
	Q ⁴	Y
VI(i)	CH(M)	C(O)
VI(ii)	C(O)	CH ₂

Figure 2. Bicyclic beta turn mimetic systems. Refer to the main text for a full description of the R, Pg, Z and M groups.

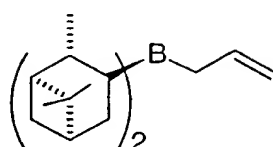
Allyl boron reagents



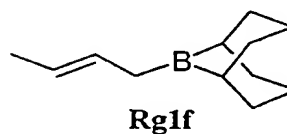
allyl-9BBN



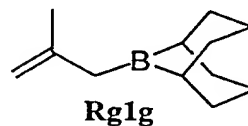
(+)-DIP
d₄Ipc₂Ballyl
Rg1b



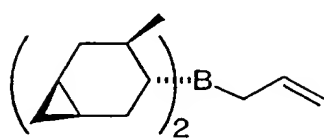
(-)-DIP
¹Ipc₂Ballyl
 Rg1c



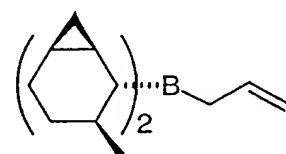
crotyl-9BBN



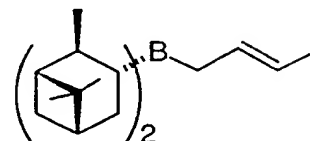
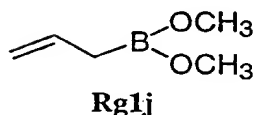
methallyl-9BBN



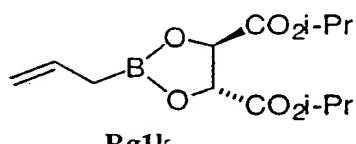
4-^dIcr₂Ballyl
Rg1d



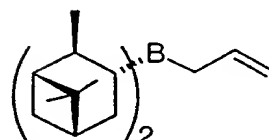
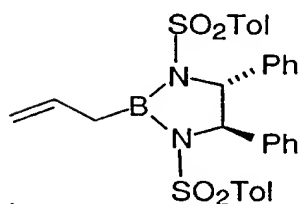
2-^dIcr₂Ballyl
Rg1e

^dIpc₂B-(E)-crotyl
Rg1h

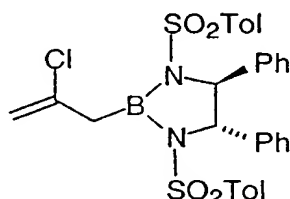
Rglj



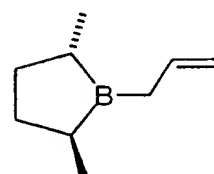
Rg1k

^dIpc₂B-(Z)-crotyl
Rg1i

Rg11



Rg1m



Rg1n

Figure 3. Selected allylboron reagents